

CLAIMS AMENDMENTS

Claim 1 (currently amended) For a cryogenic liquid turbine generator or pump having main product-lubricated bearings separated by a span of shaft and a thrust equalizing mechanism adjacent one of said main bearings, an improvement comprising a stationary spacer interposed between the thrust equalizing mechanism and its adjacent main bearing to reduce the span between said main bearings, wherein the spacer is composed of material that shrinks less than the shaft of the generator.

Claim 2 (canceled)

Claim 3 (original) The improvement according to claim 1 wherein the height of the spacer is selected according to desired thrust equalizing mechanism operating parameters over temperature range.

Claim 4 (canceled)

Claim 5 (currently amended) For a cryogenic liquid turbine generator or pump having product-lubricated main bearings separated by a span of shaft and a thrust equalizing mechanism which includes a stationary thrust plate adjacent one of the main bearings and a variable orifice defined between the thrust plate and a throttle plate affixed to the shaft, an improvement comprising a stationary length compensator interposed between the thrust plate and its adjacent main bearing to space said adjacent main bearing from the thrust plate in order to reduce the span between said main bearings, wherein the spacer is composed of material that shrinks less than the shaft of the generator.

Claim 6 (canceled)

Claim 7 (original) The improvement according to claim 5 wherein the heights of the thrust

plate and the length compensator are selected to produce a desired variable orifice over a range of operating temperatures.

Claim 8 (canceled)

Claim 9 (currently amended) For a cryogenic liquid turbine generator or pump having product-lubricated main bearings separated by a span of shaft and a thrust equalizing mechanism which includes a stationary thrust plate adjacent one of the main bearings, an improvement comprising stationary means interposed between the thrust plate and its adjacent main bearing to space said adjacent main bearing from the thrust plate in order to reduce the span between said main bearings, wherein the spacer is composed of material that shrinks less than the shaft of the generator.

Claim 10 (canceled)

Claim 11 (original) The improvement according to claim 9 wherein the height of said means is selected according to desired thrust equalizing mechanism operating parameters over a temperature range.

Claim 12 (canceled)

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